

INTERNATIONAL SEARCH REPORT

International Application No
PCT/FR 03/02052

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C03C17/34 G02B1/11

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C03C G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 800 998 A (SAINT GOBAIN VITRAGE) 18 May 2001 (2001-05-18) the whole document ---	1-23
X	FR 2 810 118 A (SAINT GOBAIN VITRAGE) 14 December 2001 (2001-12-14) the whole document ---	1-23
X	EP 0 911 302 A (SAINT GOBAIN VITRAGE) 28 April 1999 (1999-04-28) claims; examples ---	1-23
X	EP 0 728 712 A (SAINT GOBAIN VITRAGE) 28 August 1996 (1996-08-28) cited in the application examples --- -/-	1-23



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

9 December 2003

Date of mailing of the international search report

12/01/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Van BommeI, L

INTERNATIONAL SEARCH REPORT

International Application No
PCT/FR 03/02052

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 97 43224 A (SAINT GOBAIN VITRAGE ;BOIRE PHILIPPE (FR); ZAGDOUN GEORGES (FR)) 20 November 1997 (1997-11-20) cited in the application claims; examples -----</p>	1-3

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/FR 03/02052

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 2800998	A	18-05-2001	FR 2800998 A1	18-05-2001
			CZ 20021348 A3	17-07-2002
			EP 1206715 A1	22-05-2002
			WO 0137006 A1	25-05-2001
FR 2810118	A	14-12-2001	FR 2810118 A1	14-12-2001
			EP 1297362 A1	02-04-2003
			WO 0194989 A1	13-12-2001
			US 2003175557 A1	18-09-2003
EP 0911302	A	28-04-1999	FR 2730990 A1	30-08-1996
			EP 0911302 A2	28-04-1999
			AT 192125 T	15-05-2000
			CA 2170192 A1	24-08-1996
			DE 69607878 D1	31-05-2000
			DE 69607878 T2	18-01-2001
			EP 0728712 A1	28-08-1996
			ES 2147903 T3	01-10-2000
			FI 960827 A	24-08-1996
			JP 8337441 A	24-12-1996
			US 6238781 B1	29-05-2001
			US 5891556 A	06-04-1999
			US 6337124 B1	08-01-2002
			US 2001002295 A1	31-05-2001
			US 2002001724 A1	03-01-2002
EP 0728712	A	28-08-1996	FR 2730990 A1	30-08-1996
			AT 192125 T	15-05-2000
			CA 2170192 A1	24-08-1996
			DE 69607878 D1	31-05-2000
			DE 69607878 T2	18-01-2001
			EP 0728712 A1	28-08-1996
			EP 0911302 A2	28-04-1999
			ES 2147903 T3	01-10-2000
			FI 960827 A	24-08-1996
			JP 8337441 A	24-12-1996
			US 6238781 B1	29-05-2001
			US 5891556 A	06-04-1999
			US 6337124 B1	08-01-2002
			US 2001002295 A1	31-05-2001
			US 2002001724 A1	03-01-2002
WO 9743224	A	20-11-1997	FR 2748743 A1	21-11-1997
			AT 244690 T	15-07-2003
			BR 9702221 A	23-02-1999
			CA 2227031 A1	20-11-1997
			CZ 9800127 A3	17-06-1998
			DE 69723392 D1	14-08-2003
			EP 0839122 A1	06-05-1998
			WO 9743224 A1	20-11-1997
			JP 11509513 T	24-08-1999
			PL 324499 A1	25-05-1998
			US 6068914 A	30-05-2000